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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/550,681	09/26/2005	Jerachmiel (Yori) Appelbaum	30667	8344
Martin Moynil	7590 01/29/20 han	08	EXAM	IINER
PRSTI Inc			PACKARD,	BENJAMIN J
P O Box 16446 Arlington, VA			ART UNIT	PAPER NUMBER
			4173	
			MAIL DATE	DELIVERY MODE
			01/29/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.	Applicant(s)		
10/550,681	APPELBAUM, JE (YORI)	RACHMIEL	
Examiner	Art Unit		
Benjamin Packard	4173		

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS,

WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed.
- after SIX (6) MONTHS from the mailing date of this communication.

 If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
 Any reply received by the Office later than three months after the mailing date of this communication, even if timely filled, may reduce any earned patent term adjustment, See 37 CFR 1.704(b).

Status

111	Responsive to communication(s) filed on 29 November 2007.	
1)[Responsive to communication(s) filed on 29 November 2007.	

2a) ☐ This action is **FINAL**. 2b) ☑ This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Exparte Quarke, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

$A \setminus \nabla A$	Claim(a)	1 22 10/000	nonding	in the	application

4a) Of the above claim(s) 1-18 and 26-33 is/are withdrawn from consideration.

5) Claim(s) is/are allowed.

6)⊠ Claim(s) 19-23 and 25 is/are rejected.

7) Claim(s) 24 is/are objected to.

8) Claim(s) are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) ☐ All b) ☐ Some * c) ☐ None of:

Certified copies of the priority documents have been received.

2. Certified copies of the priority documents have been received in Application No.

3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

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Attachment(s)

Notice of References Cited (PTO-892)

2) Notice of Draftsperson's Patent Drawing Review (PTO-948)

Information Disclosure Statement(s) (PTO/SB/08)

Paper No(s)/Mail Date ___

4) 🔲	Interview Summary (PTO-413)
	Paper No(s)/Mail Date
5)	Notice of Informal Patent Application

6) Other: _____

Application/Control Number: 10/550,681

Art Unit: 1614

DETAILED ACTION

Election/Restrictions

Applicant's election of Group II (claims 19-33) and the species TPEN and tumor invasion metastasis in the reply filed on 11/29/2007 is acknowledged. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)). The restriction and election are made FINAL.

Claims 1-18 and 26-33 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected inventions and species, there being no allowable generic or linking claim.

Claims 19-25 are now examined.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claim 24 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 24 recites the limitation "the cyclooxygenase" in line 2. There is insufficient antecedent basis for this limitation in the claim or claim 22, which it depends from, or claims 19-21 which claim 22 depends from, respectively.

Application/Control Number: 10/550,681

Art Unit: 1614

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 19-23, and 25 are rejected under 35 U.S.C. 102(b) as being anticipated by Fernidandy et al (PTO-892 dated 11/02/2007, item U).

Fernidandy et al discloses the use of TPEN (a pharmaceutical agent) to make nitros-oxide free radicals which then inactivate iron-sulphur-centered enzymes (a metalloprotease) (page 500, right column, about lines 14-18). One pathological condition influenced by the matrix metalloproteases is ischaemic/reperfused hearts, which were treated with TPEN (page 498 "Effects of TPEN on cardiac function in ischaemic/reperfused hears").

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical

Application/Control Number: 10/550,681

Art Unit: 1614

Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

Claims 19-23, and 25 are rejected under 35 U.S.C. 102(e) as being anticipated by Fernandez-Pol et al. (US Pregrant Publication 2003/0225155, now US 6803379, filed 6/4/2002, published 12/4/2003).

Fernandez-Pol et al.discloses that TPEN causes apoptosis in cellular replication: [0022] ... A number of investigators have shown that apoptosis can be induced if the intracellular level of Zn2+ are reduced using chelators. For example, N,N,N',N'-tetrakis-2-pyridyl methyl-ethylene diamine (TPEN) added to cultured cells induces apoptosis. ...

This is applicable for treating many diseases, including cancer and metastasis (paragraph 81 and example 1 at paragraph 401). Also, at paragraph 472, they note the increase of COX-2 levels in solid tumors.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Benjamin Packard whose telephone number is 571-270-3440. The examiner can normally be reached on M-R 9-4:00 EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ardin H. Marschel can be reached on 571-272-0718. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300

Application/Control Number: 10/550,681 Page 5

Art Unit: 1614

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

18 January 2008 BP

/Ardin Marschel/ Supervisory Patent Examiner, Art Unit 1614